

## Rosiglitazone-D3

## Chemical Properties

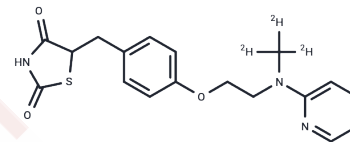
CAS No. : 1132641-22-5

Formula: C<sub>18</sub>H<sub>19</sub>N<sub>3</sub>O<sub>3</sub>S

Molecular Weight: 360.45

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Rosiglitazone-D3 is the deuterated form of Rosiglitazone. Rosiglitazone (T0334) (BRL 49653) is a thiazolidinedione class insulin sensitizer and a selective, orally active PPAR $\gamma$ agonist. It exhibits EC <sub>50</sub> values of 30 nM for PPAR $\gamma$ 1, 100 nM for PPAR $\gamma$ 2, and 60 nM for PPAR $\gamma$ , with a binding affinity (K <sub>d</sub> ) to PPAR $\gamma$ of approximately 40 nM. Additionally, Rosiglitazone (T0334) acts as an activator of TRPC5 (EC <sub>50</sub> $\approx$ 30 $\mu$ M) and an inhibitor of TRPM3.
Targets(IC50)	Ferroptosis, Autophagy, PPAR, TRP/TRPV Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7743 mL	13.8715 mL	27.7431 mL
5 mM	0.5549 mL	2.7743 mL	5.5486 mL
10 mM	0.2774 mL	1.3872 mL	2.7743 mL
50 mM	0.0555 mL	0.2774 mL	0.5549 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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